

Response to Quayle Office Action dated August 11, 2004

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AMENDMENTS TO THE SPECIFICATION

IN THE SPECIFICATION:

Please amend the second paragraph, on page 1, as follows:

Generally, video and audio streams are compressed as digital information while system and program information are compressed in accordance with a program and system information protocol (PSIP) to provide digital broadcasting. Here, program information ~~are~~ is decoded from data other than the video and audio information, and displayed on a screen for a user through an electronic program guide (EPG). The EPG and system information are combined into the PSIP and as the ATSC standard for ground wave and cable digital broadcasting, the PSIP provides a variety of information on programs by parsing messages encoded through a moving picture experts group (MPEG-2, ISO/IEC 13818-1 system) method (1997 DEC. document A/65).

Please amend the last paragraph beginning on page 2, as follows:

A widely used format of the EPG is by using a ~~gemstar~~ Gemstar table. In such format, an ETT which contains detailed information on an event, i.e. a broadcast program, can have event information

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corresponding to a unit of three hours. Also, each event information is represented and identified by an index based on a chronological order of EIT-1, EIT-1, ..., EIT-127. Thus, an ETT is mapped with each corresponding EIT, i.e. event information corresponding to EIT-0 is mapped with ETT-0, event information corresponding to EIT-1 is mapped with ETT-1,..., and event information corresponding to EIT-127 is mapped with ETT-127. Here, an EIT can also represent information on events of up to three hours in a single section, where each event has an event_id field for identifying the event and an ETM_location field for displaying whether an ETT which contains detailed information on the event is present.

Please amend the second paragraph on page 7, as follows:

To achieve the objects and in accordance with the purposes of the invention, as embodied and broadly described herein, a method for identifying ETTs of an EPG in a DTV according to an aspect of the present invention includes inputting an event_id in a table_id_extension within ETT sections such that the ETT sections are identified at a receiving or a transmitting party without parsing the ETT sections. Preferably, the ETM_location values within the ETT sections are distinguishably represented such that

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it is possible to determine whether the ETT is transmitted from a same channel or from another channel being broadcasted. Also, ETT section headers among the ETT sections is preferably represented to determine whether the ETT section includes detailed information for channels or for events.

Please amend the brief description of the drawings on page 8, third paragraph to the following:

FIG. 3 is a flowchart of a method for processing ETT sections according to an embodiment of the present invention.

Please amend the detailed description of the preferred embodiments on page 8, first paragraph to the following:

Reference will now be made in detail to the preferred embodiments of the present invention, examples of which are illustrated in the accompanying drawings. In the following description, well-known functions or constructions will not be described in detail.

Please amend the first full paragraph on page 11 to the following:

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Referring to FIG. 3, in processing an ETT according to the present invention, an ETT section filter is initially set (S10). The ETT section-outs are then detected (S20), and pertinent ETT section(s) is(are) filtered and detected (S30) using the the event id inserted in the table_id_extension of the ETT sections. Next, the detected ETT section(s) is(are) parsed (S40) and the parsed section(s) is(are) stored as a text message (S50).

Please amend the last paragraph on page 11 to the following:

Similarly, a method for identifying ETTs of an EPG comprises inserting an event_id in a table_id_extension of each ETT sections before transmitting the ETT sections to a receiver; and section filtering, at the receiver, the received ETT sections based upon the event_id to identify an ETT section. Namely, an ETT section can be identified by setting an ETT section filter; detecting ETT section-outs; section filtering and detecting at least one pertinent ETT section using the event_id in the table_id_extension of each ETT sections; parsing the detected at least one ETT section; and storing each parsed ETT section as a text message.

Please amend the second paragraph on page 12 to the following:

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Furthermore, if the table_id_extension is available for section identification, a version processing according to the section can be performed. Specifically, when contents of a section changes, a version_number is accordingly altered to represent the change. As a result, a transmitter can determine which ETT section is to be transmitted with changed contents by referring to a section header, and can produce and use a section filter. Thus, if the contents of a section among the ETT sections ~~is~~ are changed, a transmitter can change the version of section(s) for section(s) with changed contents because the sections are distinguishable. Similarly, a receiver can filter and receive the section(s) with values corresponding to the changed version.

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